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इस भाग में भिन्न पृष्ठ संख्या दी जाती है, जिससे कि यह अलग संकलन के रूप में रखा जा सके ।
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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Calcutta, the 30th July 1983

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APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214 ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017

The dates shown in the crescent brackets are the dates claimed Under Section 135, of the Act.

23rd June, 1983.

783/Cal/83. Erich Herter and Gunnar Herter. Turbine.

784/Cal/83. Vsesojuzny Nauchno-Issledovatel'sky Institut Nerudnykh Stroitel'nykh Materialov i Gidromekhanizatsii. Acidproof lining material.

785/Cal/83. Arbed S.A. Process and device to empty metal-lurgical containers.

786/Cal/83. Linde Aktiengesellschaft and Chemische Werke Huls Aktiengesellschaft. Safe adsorption process for the separation of hydrocarbons from oxygen containing gas.

787/Cal/83. Madag Maschinen- und Apparatebau Dietikon AG. Method and apparatus for making knotted rugs.

24th June, 1983

788/Cal/83. Walter Joseph Baron.- and Laird Clark Cleaver. Basket retainer for heat exchanger tube cleaning element.

789/Cal/83. The Lubrizol Corporation. Nitrogen-containing esters and lubricants containing them.

790/Cal/83. Gorkovsky Gosudarstvenny Meditsinsky Institut Imeni S.M. Kirova. Apparatus for the fragmentation and aspiration of ocular tissues.

791/Cal/83. Linde Aktiengesellschaft. Process for the production of methanol.

792/Cal/83. Hilton (Products), Limited. Vice and workbenches. (25th June, 1982 and 3rd November, 1982).

25th June, 1983

793/Cal/83. M. A. N. Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft. Method of operating a reactor for the production of synthesis gas and apparatus for implementing the method. (25th June, 1982).

27th June, 1983

794/Cal/83. International Standard Electric Corporation. Associative processor.

795/Cal/83. Lars Osten Forsman. Absorbing product and method and apparatus for manufacturing same.

796/Cal/83. Owens-Corning Fiberglas Corporation. Method and apparatus for forming glass fibers.

797/Cal/83. Gvozdnoveny Kutato Intezet. Process for the production of propagating material of plants.

28th June, 1983

798/Cal/83. AJO-Stahlbau GmbH & Co. KG. Method and apparatus for the draining of granular material, particularly granulated blast-furnace slag.

799/Cal/83. Metallgesellschaft A.G. A process of thermally treating green pellets on a pellet-firing machine.

800/Cal/83. Tecumseh Products Company. Oil slinger device.

801/Cal/83. Tecumseh Products Company. Oil distribution system for a compressor.

802/Cal/83. Regents of the University of Minnesota. Controlled protein fractionation. (Divisional dated 5th May, 1980).

29th June, 1983

803/Cal/83. Ukrainsky Nauchno-Issledovatel'sky Uglekhimichesky Institut. Method of extracting anthracene from anthracene containing raw material.

804/Cal/83. Taproge Gesellschaft mbH. A sluice for collecting cleaning bodies.

805/Cal/83. Servipharma Ltd. Process for the manufacture of an amide.

806/Cal/83. Union Carbide Corporation. Novel pesticidal 1-(alkyl-phenoxyaryl)-3-benzoyl ureas and process for preparation.

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH, TODI ESTATES, IIIRD FLOOR, LOWER PAREL, WEST BOMBAY-13.

6th June, 1983

187/Bom/83. Sheetal Surendra Joshi. A Chack.

188/Bom/83. Chemicals & Fibres of India Ltd. Process for the manufacture of 2, 4, 5-trichlorophenol.

7th June, 1983

189/Bom/83. Cressie E Holcombe & another. Process for producing diamond particulars having a selected morphology.

8th June, 1983

190/Bom/83. Ion Exchange India Ltd. A method for preparation of solid contact disinfectant resin.

191/Bom/83. Ramdayal Shital Prasad Vishwakarma. Improved dies for injection mouldings.

9th June, 1983

192/Bom/83. Hoechst Pharmaceutical Ltd. A process for the preparation of pyrimido (6, 1-a) isoquinolin-4-one derivatives and analogs thereof.

14th June, 1983

193/Bom/83. Prabhakar Ganesh Bhide. An Electrical Fuel Pump.

194/Bom/83. Sukumar Mukherjee. A Novel Method and Device for compaction by absolute free fall of a Heavy weight.

17th June, 1983

195/Bom/83. Hindustan Lever Ltd. Aluminosilicates.

18th June, 1983

196/Bom/83. Shivprasad H. Thaker. Dummy Sigrett.

197/Bom/83. Shivprasad H. Thaker. Foldy Foodpack.

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CLASS-63A₂

151770

Int. Cl H 02 p 9/00.

DEVICE FOR DAMPING OSCILLATION IN REGULATED ELECTRIC MACHINE.

Applicants: SIEMENS - AKTIENGESSELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventors: (1) DR. KURT FORK, (2) WOLFGANG KAUFHOLD, (3) WOLFGANG MEUSEL AND (4) DR. HERMANN WALDMANN.

Application No. 1080/Cal/80 filed September 23, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

13 Claims.

A circuit for damping hunting oscillations of a controlled electric machine, characterized in that there are provided: measuring means for producing a first signal responsive to the hunting oscillations; identifier means responsive to said first signal for producing second and third signals responsive to respective angle components of the hunting oscillations; phase shifter means responsive to said second and third signals for forming a hunting oscillation correction signal which is shifted in phase with respect to the hunting oscillations by a predetermined angle; and controller means responsive said hunting oscillation control signal for producing at least one machine control signal.

(Compl. Specn. 16 Pages.)

Drg. 3 Sheets.)

CLASS : 154D.

151771

Int. Cl. B 41 f 13/08.

A SLIDE BEARING FOR JOURNALLING FOR EXAMPLE FOR CYLINDERS, SHAFTS OR DRUMS OF PRINTING MACHINES.

Applicants : VEB POLYGRAPH LEIPZIG, OF ZEINA-UNDORFER 59, 705 LEIPZIG, GERMAN DEMOCRATIC REPUBLIC.

Inventors : (1) HANS JOHNE AND (2) ARNDT JENTZSCH.

Application No. 478/Cal/78 filed May 8, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

5 Claims

A slide bearing for journalling for example for cylinders, shafts or drums of printing machines having a circumferential bearing surface and comprising a plurality of bores extending axially of the bearing and a plurality of tapered pins each adapted to be disposed within a respective one of the bores to selectively deform the configuration of the bearing surface for setting of bearing play.

(Compl. Specn. 5 Pages.)

Drg. 2 Sheets.)

CLASS : 24D, & 160C.

151772

Int. Cl. B 60 t 15/00.

IMPROVED FREIGHT BRAKE CONTROL VALVE DEVICE.

Applicants : AMERICAN STANDARD INC., OF 40 WEST 40th STREET, NEW YORK, NEW YORK 10018, UNITED STATES OF AMERICA.

Inventors : (1) JAMES EDWARD HART.

Application No. 508/Cal/79 filed May 16, 1979.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

11 Claims

A brake control valve device for use in a railway car brake system having a brake pipe, a reservoir normally charged to the pressure carried in the brake pipe and a brake cylinder device, said device comprising: (a) a brake cylinder delivery passage to which said brake cylinder device is connected; (b) a first exhaust via which said brake cylinder delivery passage is connected to atmosphere; (c) a supply passage via which said brake cylinder delivery passage is connected to said reservoir; (d) an exhaust control piston valve device in said first exhaust passage operative in a first position thereof to establish fluid pressure communication between said brake cylinder delivery passage and atmosphere and having a control associated therewith, pressurization of said control chamber effecting operation of said piston valve device to a second position in which said communication is interrupted; and (e) a service valve assembly operatively disposed in said supply passage comprising: (i) a movable piston abutment subject opposingly to the pressure carried in said brake pipe and in said reservoir; and (ii) valve means engageable with said piston abutment for movement therewith to a brake release position in response to a predominance of brake pipe fluid pres-

sure relative to said reservoir fluid pressure and movable from said brake release position to a brake application position in response to a reduction of said brake pipe fluid pressure relative to said reservoir fluid pressure for establishing fluid pressure communication between said reservoir and said brake cylinder device and between said reservoir and said control chamber.

(Compl. Specn. 19 Pages.)

Drg. 1 Sheet.)

CLASS : 195D.

151773

Int. Cl. F 16 k 15/08.

CHECK VALVE AND METHOD OF MANUFACTURING SAID CHECK VALVE.

Applicants : INTER OCEAN N.V., OF POST OFFICE BOX 640, WILLEMSTAD/CURACAO, THE DUTCH ANTILLES.

Inventor : GOVERT JOHANNEK—SNOEK.

Application No. 477/Cal/79 filed May 8, 1979.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

12 Claims

A check valve comprising a substantially cylindrical housing, a diaphragm comprising a radially outwardly extending fastening flange and a thin, substantially cylindrical slip, the flange being clamped between an uninterrupted, inner shoulder in the housing and an annular locking member of a synthetic resin and a rotation-symmetrical closing member which is axially displaceable between a position in which it bears on the slip and a position removed therefrom characterized in that the locking member has an at least partly tapering outer surface and is locked in between the fastening flange of the diaphragm bearing on the shoulder and an inwardly projecting protuberance of the housing.

(Compl. Specn. 10 Pages.)

Drg. 1 Sheet.)

CLASS : 68D.

151774

Int. Cl. H 01 t 3/00.

LIGHTNING RESISTIVE DEVICE IN AERIAL POWER TRANSMISSION SYSTEM.

Applicants : MITSUBISHI DENKI KABUSHIKI KAISHA, OF 2-3, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventor : NOBUO NAGAI.

Application No. 217/Cal/79 filed March 7, 1979.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

8 Claims

In a lightning resistive device in an aerial power transmission system comprising power transmission cables supported between steel towers; and insulators for supporting said power transmission cables on said steel towers, and improvement characterized by connecting a lightning arrester between said steel tower and said power transmission cables, said lightning arrester being a non-linear resistor having high non-linear resistive characteristics.

Int. Cl. H 01 b 1/00.

(Compl. Specn. 14 Pages.)

Drg. 3 Sheets.)

CLASS : 68D.

151775

Int. Cl. H 01 b 1/00.

LIGHTNING ARRESTER.

Applicants : MITSUBISHI DENKI KABUSHIKI KAISHA, OF 2-3, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventor : NOBUO NAGAI.

Application No. 231/Cal/79 filed March 9, 1979.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

4 Claims

A lightning arrester comprising a non-linear resistor held in an insulator, characterized in that said non-linear resistor and said insulator are formed in one body by covering said non-linear resistor with said insulator without a gap.

(Compl. Specn. 7 Pages.

Drg. 1 Sheet)

CLASS : 32F₂(₁) & 123.

151776

Int. Cl. C 07 c 127/04.

PROCESS FOR THE TREATMENT OF UREA SOLUTIONS AND APPARATUS THEREFOR.

Applicants : STAMICARBON B.V., OF P.O. BOX 10, 6160 MC GELEEN, HOLLAND.

Inventor : PRIMO PASTORMERLO.

Application No. 612/Cal/79 filed June 13, 1979.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

12 Claims

A process for the treatment of urea solutions obtained from synthesis reactions wherein ammonia and carbon dioxide are reacted under pressure and at a high temperature, and containing in addition to the formed urea, free ammonia, water, unreacted ammonium carbamate, and other by-products, said process comprising : (a) a first step in which the urea solution flows through a first heated zone under conditions whereby gaseous free ammonia present and free gases produced in said zone by decomposition of a minor proportion of ammonium carbamate flow concurrently with the said urea solution, and are substantially separated from the urea solution remaining, (b) a second step in which the said remaining urea solution is passed downwardly through a second heated zone under conditions whereby a major proportion of remaining ammonium carbamate is decomposed and free gases present in the said second zone flow countercurrently to the said urea solution and are substantially separated from the remaining urea solution, and wherein the said first and second steps are operated at or below synthesis pressure.

(Compl. Specn. 24 Pages.

Drg. 2 Sheets.)

CLASS : XLI 6.

151777

Int. Cl. G 01 m 19/00.

INDICATOR DEVICE FOR ROOF LOAD AND ROOF DEPRESSION IN UNDERGROUND MINES.

Applicant & Inventor : BANKIM BIHARI GHOSH, OF GHOSHABARI, LAL KUTHIPARA, P.O. SURI, DISTRICT-BIRBHUM, WEST BENGAL, INDIA.

Application No. 711/Cal/79 filed July 10, 1979.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

7 Claims

An indicator device for roof-load and roof-depression in underground mines for measurement of roof load and convergence between roof and floor comprising a housing of substantially in the shape of one end closed cylinder having a wide base and provided with two diametrically opposite longitudinal slots on the body; a vertical shaft provided with square thread and carrying a cap at the top by means of a ball bearing for rotation of the shaft while the cap remaining stationary; a pressure plate of circular shape and size for accommodating inside the housing and having a centrally female thread to receive said threaded vertical shaft, the pressure plate being provided with two diametrically opposite radially projected arms to play inside the slots of the housing preventing rotation of the pressure plate and guiding the vertical movement of the pressure plate inside the housing, the pressure plate resting on a coil spring housed inside said housing to be pressed by said pressure plate during depression of the vertical shaft; a retaining ring closing the housing and mounting of the pressure plate by resting on the spring along with the vertical shaft extending through the spring.

(Compl. Specn. 8 Pages.

Drg. 2 Sheets.)

CLASS : 32F₁.

151778

Int. Cl. C 07 d 55/42.

AN IMPROVED PROCESS FOR THE PREPARATION OF CYANURIC CHLORIDE.

Applicants : DEUTSCHE GOLD-UND SILBER-SCHIEDANSTALT VORMALS ROESSLER, OF 9 WEISSER-AUENSTRASSE, FRANKFURT (MAIN), FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) GERHARD BACH, (2) FRIEDHELM GEIGER, (3) WERNER HEIMBERGER, (4) GERD SCHREYER, (5) HORST HILLENBRAND.

Application No. 889/Cal/79 filed August 29, 1979.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

4 Claims

An improved process for the preparation of cyanuric chloride by reacting hydrogen cyanide with chloride in presence of water to obtain cyanogen chloride and hydrochloric acid, separating the cyanogen chloride from aqueous solution by heating followed by drying over calcium chloride and trimerising with active carbon at a temperature of 200 to 500°C to produce cyanuric chloride, passing the vapour of said obtained cyanuric chloride through a cooled separator to obtain crystalline cyanuric chloride and washing the resultant exhaust gases which consists mainly of unconverted cyanogen chloride, chlorine, hydrogen chloride and inert gases and side products such as phosgene or carbon tetrachloride in one or more columns in counter current manner with water to recover unconverted cyanogen chloride and chlorine characterized in that, that this exhaust gas is introduced at the lower portion of a column having a pressure of 1-5 bar (abs), preferably 1-4 bar (abs), contacted in the column with at least an equivalent quantity of hydrogen cyanide for the formation of cyanogen chloride and is then cyanide in counter current manner with a stream of water introduced from the upper portion of the said column, after which the aqueous solution of cyanogen chloride, so formed, is withdrawn from the lower portion of the column and re-introduced into the unit for the extraction of cyanogen chloride, while the purified exhaust gas leaves the column from its upper portion.

(Compl. Specn. 14 Pages.

Drg. 1 Sheet.)

CLASS : 185D₁.

151779

Int. Cl. A 23 f 3/04.

IMPROVEMENTS IN OR RELATING TO MICRO DIAL DEVICES FOR/ADJUSTMENT OF ROLLERS ON CTC MACHINES.

Applicants : STEELSWORTH LIMITED, OF 17 GANESH CHANDRA AVENUE, CALCUTTA-700013, STATE OF WEST BENGAL, INDIA.

Inventor : MIHIR KUMAR BANERJEE.

Application No. 1010/Cal/79 filed September 25, 1979.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

10 Claims

A microdial device for adjusting the rollers of a CTC machine for processing tea leaves of the type described, comprising a finely threaded screw fixed to the housing of one end of the said roller, and internally threaded micro sleeve engaging the said screw, a boss adapted to be turned, secured on the said sleeve, the said screw being only linearly movable and the said boss and the sleeve being only rotatable is characterised in that a mechanical coupling means is provided between the microdial devices at the two ends of the roller for effecting simultaneous adjustment of the two ends of the said roller to the same degree.

(Compl. Specn. 14 Pages.

Drg. 3 Sheets.)

CLASS : 6B₁ & 47E.

151780

Int. Cl. F 17 c 1/00.

A LIQUIFIED PETROLEUM GAS CYLINDER WITH ADDITIONAL CHAMBER FOR RESERVE SUPPLY OF SAID LIQUIFIED GAS.

Applicant & Inventor : DARBHA RAMA RATNA SASTRI, OF F-34, SECTOR-III, HEC COLONY, RANCHI-834004, BIHAR, INDIA.

Application No. 55/Cal/80 filed January 15, 1980.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

8 Claims

A liquified petroleum gas cylinder characterised in that an additional chamber containing a reserve supply of the said liquified gas is provided with the cylinder, the additional chamber being provided with an outlet connected to the pressure regulator through an outlet control valve, supply of gas being drawn off the additional chamber after closing outlet control valve of the cylinder when the gas contained herein is exhausted.

(Compl. Specn. 6 Pages.

Drg. 1 Sheet.)

CLASS : 27 G & F.

151781

Int. Cl. E 04 c 3/29.

A SUPPORTING BEAM FOR EXCAVATING, TRENCHING OR LIKE CONSTRUCTION APPLICATIONS.

Applicant & Inventor : JOSEF KRINGS, OF D 5138, HEINSBERG OBERBRUCH, HANSBOCKLET-STRASSE 23, GERMAN REPUBLIC.

Application No. 362/Cal/80 filed March 28, 1980.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

11 Claims

A supporting beam particularly adapted for bracing purpose in construction applications comprising at least one elongated member having axially opposite end portions, a generally C-shaped bracket at each of said end portions, means for pivotally mounting said C-shaped brackets relative to the associated end portions of said elongated member, each said C-shaped brackets being defined by a right and a pair of legs with the latter setting-off therebetween an associated elongated groove, and longitudinal axes of said grooves being disposed generally parallel to the axes of said pivot mounting means.

(Compl. Specn. 14 Pages.

Drg. 5 Sheets.)

CLASS : 107 c & g, & 175H.

151782

Int. Cl. F 02 f 3/20.

AN IMPROVEMENT RELATING TO THE DIESEL ENGINE PISTONS.

Applicants : ASSOCIATED ENGINEERING ITALY S.P.A., OF STRADA VALDELLATORRE KM.2700 ALPIGNANO, TURIN, ITALY.

Inventor : LODOVICO BRUNI.

Application No. 684/Cal/80 filed June 11, 1980.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

4 Claims

A diesel engine piston whose top surface is formed with a combustion chamber, the head wall of the piston being of monolithic construction and containing an annular conduit for the passage of lubricating oil in order to cool the upper part of the piston, and a single conduit branching from the annular conduit, extending radially inwards from the annular conduit directly beneath the combustion chamber at least to the centre of the head wall and for the full extent of the combustion chamber, and debouching through a discharge hole, the annular conduit and the branch conduit being in the region of the top ring groove and being formed wholly within the monolithic head wall.

(Compl. Specn. 5 Pages.

Drg. 1 Sheet.)

CLASS : 48A.

151783

Int. Cl. H 01 b 7/18.

MOISTURE PROOF PLASTIC-INSULATED ELECTRIC CABLE PARTICULARLY FOR THE TRANSMISSION OF HIGHER VOLTAGES.

Applicants : KABEL-UND METALLWERKE GUTEH-OFFNUNGSHUTTE AKTIENGESellschaft, OF 271, VAHRENWALDER STRASSE, HANNOVER 3000, GERMANY.

Inventors : (1) DR. GERHARD ZIEMEK, (2) MARTIN VOLKER, (3) PETER MADRY.

Application No. 1146/Cal/80 filed October 9, 1980.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

11 Claims

A moisture-proof plastics-insulated electric cable, containing a conductor or conductor strand which is composed of continuous single elements, characterised in that the conductor or the conductor strand is surrounded by a closed dense metallic sheath constituted by a longitudinally seam-welded metal tape.

(Compl. Specn. 11 Pages.

Drg. 1 Sheet.)

IND. CLASS : 129G,

151784

Int. Cl. B 06 b 1/00.

A SPARK EROSION MACHINES.

Applicant : PRAV ELECTROSPARK PRIVATE LIMITED, COMPANY INCORPORATED UNDER THE PROVISIONS OF INDIAN COMPANIES ACT OF 'ELEKTRA HOUSE', 691/1A, POONA-SATARA ROAD, PUNE-411 009, STATE OF MAHARASHTRA, INDIA.

Inventor : PRAKASH KRISHNA RATNAPARKHI.

Application No. 83/BOM/80 filed on March 25, 1980.

Complete after provisional left on June 6, 1981.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Bombay Branch.

6 Claims

A spark erosion machine as herein described, wherein an electrode and a workpiece are submerged in dielectric fluid characterised in that one or more ultrasonic agitators are provided either in contact with or within the said dielectric fluid.

Provisional Specification 3 Pages;

Drawings Nil

Complete Specification 9 Pages;

Drawings 1 Sheet.

CLASS : 32F₁ & 3(a).

151785

Int. Cl. C 07 c 113/04.

CONTINUOUS DIAZOTIZATION OF AMINES.

Applicants : HOECHST AKTIENGESellschaft, OF D 6230 FRANKFURT/MAIN 80 FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) HARTMUT BEHRINGER AND (2) KURT KARRENBAUER.

Application No. 607/Cal/79 filed June 12, 1979.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

8 Claims

An improved process for the continuous diazotization of primary aromatic amines by reacting an aqueous solution or suspension of the amine in a mineral acid with an aqueous sodium nitrite solution, which comprises : supplying continuously the lower portion of a cylindrical diazotization zone placed in upright position with an aqueous mineral acid solution or suspension of a diazotizable primary aromatic amine and supplying the vessel simultaneously, via one or more inlets arranged one above the other so as to open laterally thereinto, with an aqueous sodium nitrite solution, the amine and nitrite being used in stoichiometric proportions, or the nitrite being used in a stoichiometric deficiency and the acid being used in an excess of about 1 to 3 equivalents per amine equivalent in the mineral acid solution; reacting the resulting mixture with agitation and while producing a laminar flow of liquid matter at temperature of

about 5 to 30°C; removing reaction mixture, in accordance with the diazotization velocity of the particular amine used, from the upper portion of the diazotization zone at a place where the reaction mixture is substantially free from nitrous acid, said place being situated in said zone at a level which is the higher the lower the diazotization velocity of the amine used; filtering the reaction mixture removed and delivering diazonium salt-containing solution to a sojourn zone.

(Compl. Specn. 14 Pages.

Drg. 1 Sheet.)

CLASS : 172D.

151786

Int. Cl. D 01 h 7/52.

SPINNING RING MADE FROM STEEL FOR RING SPINNING AND RING TWISTING MACHINE.

Applicants : MASCHINENFABRIK RIETER A. G., OF WINTERTHUR, SWITZERLAND.

Inventor : GUSTAV STAHLI.

Application No. 937/Cal/79 filed September 7, 1979.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

26 Claims

Spinning ring made from steel for ring spinning and ring twisting machines with a traveller guide surface, the structure of which ring is hardened and the outermost layer of which contains a non metal brought in by diffusion, characterized in that the spinning ring (1, 16, 28) has a hardened zone (8, 17, 32) including the traveller guide surface (3, 20, 31) and provided with an outer running in surface layer (11, 22, 33), said running in layer containing nitrogen and being softer than the hardened steel, and the hardness of the running-in layer increasing inwardly over the cross-section of the running-in layer.

(Compl. Specn. 19 Pages.

Drg. 2 Sheets.)

CLASS : 172D.

151787

Int. Cl. D 01 h 7/52.

RING FOR RING SPINNING AND RING TWISTING MACHINES.

Applicants : MASCHINENFABRIK RIETER A. G., OF CH8406 WINTERTHUR, SWITZERLAND.

Inventors : (1) ALFRED FURRER AND (2) ARTHUR WURMLI.

Application No. 1058/Cal/79 filed October 11, 1979.

Convention date 14th October, 1978 (20976/79) U.K.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

7 Claims

Ring for ring spinning and ring twisting machines forming a traveller having an ending inner leg, with a traveller flange and an annular traveller support surface arranged below the traveller flange on the ring inside, extending toward the inside, and connected with the traveller flange by a ring web, characterised in that between the traveller support surface and the adjacent inside of the ring web, which extends substantially vertically, an angle of less than 105° is enclosed, and that the inside diameter of the traveller support surface ranges between 90% and 105% of the inside diameter of the traveller flange.

(Compl. Specn. 12 Pages.

Drg. 1 Sheet.)

CLASS : 116B.

151788

Int. Cl. B 65 g 67/34; 67/48.

WAGON CLAMPING DEVICES FOR WAGON TIPPLERS.

Applicants : TATA-ROBINS-FRASER LIMITED, OF 11, STATTON ROAD, BURMA MINES, JAMSHEDPUR-831 007, INDIA.

Inventors : (1) VINAY KUMAR THAKAR AND (2) SUBASH CHANDRA.

Application No. 1096/Cal/79 filed October 19, 1979.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

8 Claims

A wagon clamping device for the use with a wagon tippler comprising an articulated clamp arm secured to a clamp column, a guide member for the clamp column fixed on a cradle of the wagon tippler and permitting linear movement of the clamp column, a device for converting linear movement of the said column into rotary movement of a shaft rotatably supported on the said cradle and a locking mechanism for locking the said shaft, having a counterweight and adapted to be activated by a cam.

(Compl. Specn. 9 Pages.

Drg. 1 Sheet.)

CLASS : 172D.

151789

Int. Cl. C 21 D 1/06; D 01 H 1/12.

SPINNING ROTOR MADE FROM STEEL FOR OPEN END SPINNING MACHINES.

Applicants : MASCHINENFABRIK RIETER A. G., OF WINTERTHUR, SWITZERLAND.

Inventor : (1) FRITZ GOEBE, (2) GUSTAV STAHLI, (3) HERBERT STALDER.

Application No. 13/Cal/80 filed January 2, 1980.

Convention date 1st February, 1979 (79/32157) U.K.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

17 Claims

Spinning rotor made from steel for open end spinning machines for spinning staple fibres, with a thinwalled rotor wall containing at a largest inside diameter of the spinning of the rotor a fibre collecting groove, the rotor wall being made of unhardened steel and being hardened in a locally limited zone containing the fibre collecting groove.

(Compl. Specn. 13 Pages.

Drg. 1 Sheet.)

CLASS : 88F.

151790

Int. Cl. B 01 d 47/00.

A PROCESS FOR SCRUBBING CYANIDE-BEARING FURNACE GASES WHICH ARE PRODUCED IN THE METALLURGICAL INDUSTRY.

Applicants : OUTOKUMPU OY, OF OUTOKUMPU, FINLAND.

Inventors : (1) RISTO JOHANNES HONKALA, (2) MATTI ELIAS HONKANIEMI, (3) JAAKKO TEJO ILMARI POJARVI, (4) FRANS HEIKKI TUOVINEN, (5) MATTI OLAVI VATTULAINEN.

Application No. 137/Cal/80 filed February 6, 1980.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

3 Claims

A process for the scrubbing of cyanide-bearing furnace gases generated in the metallurgical industry, by contacting the cyanide-bearing furnace gases with a circulating scrubbing water solution and by removing solid and dissolved impurities from the scrubbing water solution before it is returned to the scrubbing, the combustible constituents present in the scrubbed furnace gases being eliminated by burning, characterized in that in order to restrict the passing of cyanide from the furnace gases into the scrubbing water, the acidity of the circulating scrubbing water solution is controlled by adding acid to it to maintain a maximum pH value of 9.5 preferably a maximum pH value of 7.5 so that as large a proportion of the cyanide as possible is eliminated during the burning, of the combustible constituents present in the furnace gases.

(Compl. Specn. 10 Pages.

Drg. 2 Sheets.)

CLASS : 114d & F.

151791

Int. Cl. C 09 k 3/00; C 14 c 3/00.

PROCESS FOR PREPARING TITANIUM TANNING AGENTS.

Applicants : (1) TSENTRAINY NAUCHNO-ISSLEDOVATELSKY INSTITUT KOZHEVENNOOBUVNOI PROMYSHLENNOSTI, of PYATNISKAYA ULITSA, 74 USSR AND (2) INSTITUT KHIMII I TEKHNologii REDKIKH ELEMENTOV I MINERALNOGO SYRYA KOLSKOGO FILIALA AKADEMII NAUK SSSR, OF APATITY MURMANSKOI OBLASTI, ULITSA FERSMANA, 14, USSR.

Inventors : (1) DAVID LAZAREVICH MOTOV, (2) LJUDMILA PETROVNA TJURKINA, (3) LIDIA GEORGIEVNA GERASIMOVA, (4) ALEXANDR IVANOVICH METELKIN, (5) ISAAK GRIGORIEVICH SHIFRIN, (6) NINA IVANOVNA KOLESNIKOVA, (7) GALINA GRIGORIEVNA YAKUSHEVA, (8) MARIA MOISEEVNA GODNEVA, (9) ARTUR GRIGORIEVICH BABKIN, (10) IRIDY IOSIFOVICH MIKAELIAN, (11) VALENTIN IVANOVICH BELOKOSKOV, (12) VLADIMIR PAVLOVICH PLOTNIKOV.

Application No. 456/Cal/80 filed April 19, 1980.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

3 Claims. No drawing

A process for preparing a titanium tanning agent from a sulphate solution containing titanium and ferriferrousions comprising introducing an oxidizing agent into said solution as the starting solution, followed by adding ammonium sulphate and sulphuric acid to precipitate diammonium titanyl disulphate monohydrate $(\text{NH}_4)_2 \text{TiO}(\text{SO}_4)_2 \cdot \text{H}_2\text{O}$, and stabilizing said salt by washing with ammonium sulphate, characterized in that a sulphate solution of peroxy-titanium complex is introduced into the starting sulphate solution as an oxidizing agent, the residual content of said complex in the starting solution being in an amount of from 0.01 to 2g/l based on titanium dioxide.

(Compl. Specn. 18 Pages.

Drg. Nil.)

CLASS : 15E.

151792

Int. Cl. F 16 c 19/26.

AN IMPROVED PLUMMER BLOCK ASSEMBLY WITH TWO TAPER ROLLER BEARINGS AND LOCKING SLEEVE.

Applicant & Inventor : SURYYASEN KANJILAL ROY, OF P 295, DARGA ROAD, CALCUTTA-700017, WEST BENGAL, INDIAN.

Application No. 698/Cal/80 filed June 13, 1980.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

3 Claims

An improved plummer block assembly with two row taper roller bearing and locking sleeve is characterized by that the improvement comprising two taper roller bearing firmly mounted on a distance piece of tubular construction having a projected annular ridge near the middle portion on either side of which the said two bearings are mounted in opposite manner, the said tubular distance piece has a taper bore but with straight outer diameter, the tapered bore housing a tapered locking sleeve which is externally threaded at its narrower end, the said assembly bearing housed inside a cartridge and the cartridge being mounted inside a corresponding plummer block.

(Compl. Specn. 7 Pages.

Drg. 3 Sheets.)

CLASS : 92D.

151793

Int. Cl. B 02 c 13/31.

AUTOMATIC SAFETY DEVICE FOR HULLING MACHINE.

Applicants : SATAKE ENGINEERING CO. LTD., OF 19-10, UENO-1-CHOME, TAITO-KU, TOKYO, JAPAN.

Inventor : TOSHIKO SATAKE.

Application No. 1053/Cal/79 filed October 10, 1979.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

17 Claims

An automatic safety device for a hulling machine comprising a housing, a pair of hulling rolls arranged parallel to each other in said housing and each having a metallic annular member and a resilient annular member fitted thereover, a fixed rotary main shaft supporting one of said pair of hulling rolls and mounted in said housing for rotation about a fixed center axis, a movable rotary ancillary shaft supporting the other hulling roll rotatably supported by an arm pivotally supported by a support shaft mounted in the housing in spaced apart parallel relation to the fixed center axis of said fixed rotary main shaft so that the movable rotary ancillary shaft can be moved toward and away from the fixed rotary main shaft while being maintained in parallel thereto, means for driving said fixed rotary main shaft and said movable rotary ancillary shaft, and means for forcing the movable rotary ancillary shaft to move toward the fixed rotary main shaft, such automatic safety device comprising : detecting means for detecting wear of at least one of the resilient annular members fitted over said hulling rolls progressing to such a degree that a predetermined wear limit radius has been reached; and a safety control electric circuit connected to said detecting means.

(Compl. Specn. 20 Pages.

Drg. 4 Sheets.)

CLASS : 70C, 72B.

151794

Int. Cl. C 06 b 1/00; 15/00; 19/00.

METHOD FOR ELECTROLESS DEPOSITION OF SILVER.

Applicants : LONDON LABORATORIES LIMITED CO., OF 15 LUNAR DRIVE, WOODBRIDGE, CONNECTICUT 06525, UNITED STATES OF AMERICA.

Inventor : JOSEPH FRANK SOLTYS.

Application No. 1072/Cal/78 filed September 26, 1978.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

13 Claims. No drawing

An improved method for electroless deposition of silver by contacting (1) a concentrated aqueous solution of an ammoniacal silver salt and (2) a concentrated aqueous solution of a strong alkali, wherein the formation of explosive conditions or compounds is inhibited by providing an effective amount of an explosion inhibitor comprising a polyhydric alcohol having 4 to 6 carbon atoms in at least one of said concentrated aqueous solutions (1) or (2), with that when the inhibitor is provided in solutions (1) sufficient extraneous ammonium ions (as herein before defined) are added therein to stabilize the inhibitor.

(Compl. Specn. 31 Pages.

Drg. Nil.)

CLASS : 172.

151795

Int. Cl. D 01 h 15/00.

DEVICE FOR JOINING TEXTILE YARNS BY AXIAL TWISTING.

Applicants : FOMENTO DE INVERSIONES INDUSTRIALES S.A., OF RAMBLA DE CANALETAS, 140, BARCELONA 2, SPAIN.

Inventors : (1) HUBERT LIGONES, (2) LAURENT KROPP, (3) ERWIN ZURCHER.

Application No. 606/Cal/79 filed June 12, 1979.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

5 Claims

A device for joining textile yarns by twisting the respective yarn ends about their axes, comprising means for untwisting the end portions of the yarns and for imposing an excess twist on the yarn portions adjacent to said end por-

tions, and for then transferring this excess twist to the end portions in order to cause them to join together, which means comprise two substantially coaxial spindles rotatably mounted in respective supports and kinematically linked one to the other so that they rotate in reverse directions to each other, each of which spindles comprises a rod which that end facing the other spindle has a hooking element extending radially to the rod axis, drive means for rotating said spindles alternately in two respective directions rotation, and means for stretching a respective yarn in the path of each said hooking element such that its rotation in one of said directions of rotation of the spindle winds a portion of said yarn as a helix onto said rod while the yarn end portion is being untwisted, and such that its rotation in the other direction of rotation of the spindle unwinds the wound portion of yarn and twists its end portion together with the end portion of the yarn wound on the other spindle, these joined yarns being released simultaneously from said spindles as said helix-wound portions become unwound.

(Compl. Specn. 19 Pages.)

(Drg. 4 Sheets.)

CLASS : 34 A & D. & 172 E & F.

151796

Int. Cl. D 01 d 7/00.

PROCESS FOR PRODUCING PREORIENTATED NYLON FILAMENTS.

Applicants : ANIC S.P.A., OF VIA M. STABILE 216, PALERMO, ITALY.

Inventors : (1) FRANCO COGNIGNI, (2) ARTURO SPANI, (3) GIANFRANCO TERRANOVA.

Application No. 1005/Cal/79 filed September 25, 1979.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

7 Claims. No drawing

A process for producing preorientated nylon filament by fusion-spinning nylon polymers, wherein the nylon polymer is extruded through a spinneret, as the filament leaves the spinneret it is cooled to a temperature from 15° to 40°C, the cooled filament is treated with a lubricating oil with such as herein described, the lubricated filament is passed through a spinning shaft and the yarn collected at a speed exceeding 3700 m/minute.

(Compl. Specn 7 Pages.)

(Drg. Nil.)

CLASS : 88E.

151797

Int. Cl. C 01 b 2/14.

PROCESS AND EQUIPMENT FOR THE OXIDATION OF SOOT OBTAINED IN THE PREPARATION OF A GAS MIXTURE CONTAINING HYDROGEN AND CARBON MONOXIDE.

Applicants : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., OF CAREL VAN BYLANDTLAN 30, THE HAGUE, HOLLAND.

Inventors : (1) PIETER VISSER, (2) JOHAN PAUL VAN DE WATER.

Application No. 1125/Cal/79 filed October 29, 1979.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

9 Claims

Process for the oxidation of soot obtained in the preparation of a gas mixture containing hydrogen and carbon monoxide which preparation comprises partially oxidising a hydrocarbon feedstock with oxygen or an oxygen-containing gas in a reactor at elevated pressure, to produce a raw product gas, containing 1 to 2% wt. soot, calculated on the feedstock, contacting the raw product gas with water to remove soot and other contaminating material from it, which soot and other contaminating material is taken up in the water to form a liquor having a soot concentration between 0.5 and 2% wt. characterized in that the liquor is treated with oxygen or an oxygen containing gas at a temperature between 240 and 375°C, at a pressure at least equal to the vapour pressure of water at the temperature used.

(Compl. Specn. 12 Pages.)

(Drg. 1 Sheet.)

CLASS : 128A.

151798

Int. Cl. A 611 17/00.

PROCESS FOR PREPARING ELASTOMERIC SURGICAL SUTURES COMPRISING SEGMENTED COPOLYETHER/ESTERS.

Applicants : ETHICON INC, OF SOMERVILLE, NEW JERSEY, UNITED STATES OF AMERICA.

Inventors : ARTHUR ALBERT GERTZMANN AND MARK TURNER GATERUD.

Application No. 1132/Cal/79 filed October 30, 1979.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Calcutta.

25 Claims

Process for preparing surgical suture comprising a mono filament of elastomeric polymers as herein described by drying the elastomeric polymers such as copolyester or copolyether/ester polymers at a temperature of from 200—220°F followed by melt extruding the dried elastomeric polymer to form a continuous filamentary strand, and thereafter drawing the extruded filament to obtained the suture having the following combination of mechanical properties :

Yield elongation vixco-elastic—from 2 to 9 per cent

elongation—from 10 to 30 per cent

Young's modulus—from 30,000 to 200,000 psi

Tensile Strength—at least 40,000 psi

Knot Strength—at least 30,000 psi.

(Compl. Spenc. Pages 25.)

(Drg. 2 Sheets.)

OPPOSITION PROCEEDINGS

An opposition has been entered by Widia (India) Limited to the grant of a Patent on application No. 150919 made by Sandvik Aktiebolag.

Opposition filed by S.K. Foundry & Engineering Products Private Limited to the grant of a patent on application No. 136984 made by Foreco International Ltd. has been dismissed.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specification are available for sale from the Officer-in-Charge, Government of India Central Book Depot, 8 Hasting Street Calcutta, two rupees per copy :—

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PATENTS SEALED

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AMENDMENT PROCEEDING UNDER SECTION 57

The amendment proposed by Ethicon, Inc., in respect of patent application No. 139477 as advertised in Part III, Section 2 of the Gazette of India dated the 8th January 1983 has been allowed.

RENEWAL FEES PAID

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REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 152945. The All India Surgical Manufacturing Company, a Registered Partnership Firm of 146 Shamaldas Gandhi Marg, Bombay-400 002, Maharashtra. "Bhattacharya Self Retaining Atrial Retractor". 31st March, 1983.

Class 1. No. 153049. Esbi Transmissions Private Limited, of 8, Camac Street (6th floor), Calcutta-700 017, West Bengal, India, An Indian Company. "Coupling for Machinery". 23rd April, 1983.

Class 1. No. 153050. Esbi Transmissions Private Limited, of 8, Camac Street (6th floor), Calcutta-700 017, West Bengal, India, An Indian Company. "Coupling for Machinery". 23rd April, 1983.

Class 1. No. 153143. Rehman Industries (India) 2848-Bulbuli Khana Bazar Sita Ram, Delhi, and Indian Proprietorship concern "Sharpener". 1st June, 1983.

Class 1. No. 152642. Kubota Ltd., of 47-go, 2-ban, 1-chome, Shikitsuhigashi, Naniwa-ku, Osaka-shi, Osaka-fu, Japan. "Harvester". 4th January, 1983.

Class 1. No. 153018. Raj Kumar, 704, Mukimpura, Subzi Mandi, Delhi-110 006, an Indian National. "Electric fan". 19th April, 1983.

Class 1. No. 153005. Ganga Ram Gupta, Proprietor of Hindustan Scale Co., 11/69, Gwaltoli Kanpur U.P. India an Indian citizen "a Scales" 18th April 1983.

Class 3. No. 152750 Wilkinson Sword Limited, a British Company of Sword House, Totteridge Road, High Wycombe, Buckinghamshire HP 13 6EJ, England. "Razor Blade Dispenser". Priority date is 30th September, 1982 (U.K.).

Class 3. No. 152889. Prince Plastics, 312, Churchgate Chambers, 5, New Marine Lines, Bombay-400 020, Maharashtra, an Indian Partnership Firm. "Water Bottle". 14th March, 1983.

Class 3. No. 153204. Skabama Agency, an Indian registered partnership firm, 4-A Divyasmeet, East West Road No. 2, Juhu-Parle Scheme, City of Bombay-400 049, State of Maharashtra, India. "Insect Exterminating Device". 14th June, 1983.

Class 3. No. 153047. Superphone (India) Pvt. Ltd., an Indian Company incorporated under the Companies Act having its office at 100, Government Industrial Estate, Charkop, Kandivali West, Post Box No. 7665, Bombay-400 065 in the State of Maharashtra within the Union of India. "Intercoms". 23rd April, 1983.

Class 3. No. 153048. Superphone (India) Pvt. Ltd., an Indian Company incorporated under the Companies Act having its office at 100, Government Industrial Estate, Charkop, Kandivali West, Post Box No. 7665, Bombay-400 065 in the State of Maharashtra within the Union of India. "Intercoms". 23rd April, 1983.

Class 3. No. 152886 Prince Plastics, 312 Churchgate Chambers, 5, New Marine Lines, Bombay-400 020 Maharashtra, an Indian Partnership Firm. "Water Bottle with Lunch Box" 14th March, 1983.

Class 3. No. 153123. Bir Plastics, an Indian Proprietary concern, A-12/4, Factory Area, Phase-I, Naraina, New Delhi-110028. "Basket". 24th May, 1983.

Class 3. No. 152880 Indian Cosmetics, 35J, Raja Naba Kissen Street, Calcutta-700005, West Bengal, India, An Indian Proprietorship Concern. "Container". 10th March, 1983.

Class 3. No. 152694. DLF Universal Limited, of 21-22, Narindra Place, Parliament Street, New Delhi-110001, India, an Indian Company. "Box Fan". 21st January, 1983.

Extn. of Copyright for the Second period of five years.

Nos. 146769, 147129, 147130, 147131, 147133, 147134, 147135, 147136, 147137, 147138, 147139, 147140, 147172

.. Class-1.

Extn. of Copyright for the Third period of five years.

No. 146769.

.. Class-1.

DR. K. V. SWAMINATHAN

Controller General of Patents,

Designs and Trade Marks